

thence obscurely dentate to margin, is inwardly outlined with darker brown; a short white line from costa at apex to termen. In the middle of the outer margin is a small white ocellic dot, just below the incision, above is a short dark bar, and\* before it the ground colour is heavily sprinkled with darker scales. Cilia sordid white, divided by a brown line above the incision. Hind wings pale cinereous, with a darker shade before the cilia, which are sordid white, with a slightly darker basal line.

Five specimens, four collected by Prof. F. H. Snow, Baboquivaria Mountains, Arizona, and one Huachuca Mountains, Arizona, O. C. Poling. Co-types in Kansas Academy of Sciences and my collection.

Nearest to *achatina*, Zell., but can be readily separated by the two fine white lines on costa just before apex, which are lacking in *achatina*, and in their place is a rather broad white streak. The four specimens from Prof. Snow are rather badly rubbed, especially over the middle of the wing, causing an impression of a broad white median band.

*Plutella yumaella*, sp. nov.—Expanse, 16 to 27 mm.

Head with loose scales; antennæ simple, basal joint with dense flaps; labial palpi, second joint with short dense tuft above appressed to face, third joint short, obtuse; both head, palpi and thorax grayish-white, mixed with black scales, patagia tipped with ochreous scales, posterior thoracic tuft white, stained at the ends with ochreous.

Fore wing elongate ovate, whitish-gray, mottled with black. The basal area to one-fourth on costa and one-third on dorsal margin is heavily mottled with black, beyond is a narrow oblique whitish fascia, beyond this the wing is heavily mottled, but interrupted on upper half by a crescent-shaped whitish fascia, which leaves costa at middle and regains it at outer fourth; the apical fifth is whitish, less overlaid with black. Cilia whitish-gray, speckled with black.

Hind wing and under side of both wings cinereous. Abdomen cinereous, with a tuft of ochreous scales on each side on the middle segments, anal tuft dark ochreous. Legs cinereous, anterior and middle and tarsi of posterior legs heavily speckled with black.

Two specimens, San Bernardino Ranch, Cochise Co., Ariz., 3,750 feet elevation, August (F. H. Snow). One, Brownsville, Texas, June (F. H. Snow). One, Gila Co., Ariz., June (O. C. Poling). One, Baboquivaria Mts., Pima Co., Ariz., July 15-30 (O. C. Poling). Two, So. Arizona (Poling). Nine specimens, Yuma Co., Arizona Desert, received from J. B. Smith.